

USER MANUAL

CAUTION



- This note must be read in full. Any operations on live conductors can be dangerous.
- The operator is expected to be fully aware of all necessary electrical safety regulations and procedures. Safe operation is this responsibility.
- It is up to the user to ensure that the equipment is at all times in its original safe conditions.
- Operate on ranges selector on the bottom part of clamp, free of instrument connection cable, (**see Figure**) to modify current ranges.

SPECIFICATIONS

| | |
|------------------------|---|
| Primary rates current: | 10A, 100A, 1000A FS |
| Measuring range: | 0,1 ÷ 10A / 0.5A ÷ 100A / 1A ÷ 1000A |
| Output signal: | 1V |
| Protection: | By diodes |
| Ratio: | 100mV/A – 10mV/A and 1mV/A |
| Accuracy: | See table |
| Max error: | 2% (of reading) |
| Internal load: | 10A=100Ω; 100A=10Ω; 1000A=1Ω |
| External min load: | 100 times the internal load |
| Power measurement: | Take care to keep the conventional direction P1 ⇒ P2 rear of the arrows |
| Frequency range: | 40Hz to 10000 Hz |
| Pollution degree: | 2 according to IEC 1010-1 |
| Dielectric strength: | 5,5 KV 50 Hz 1 min |
| Temperature range: | -10 ÷ +50 °C |
| Overvoltage category: | CAT III 600V |
| "Opening" cable: | 54 mm |
| "Opening" bus bars: | 35x35mm or 50x12mm |
| Dimensions (mm): | 105 x 225 x 31mm |
| Weight: | 720 g |
| Output connection: | Shielded cable FM2R 2m long , ended with a FRB D01 connector |

Ranges selector 10-100-1000A



ACCURACIES

| 10A FS | 0.1 ÷ 0.5A | 0.5 ÷ 2.0A | 2.0 ÷ 10A |
|-----------------------------|----------------|----------------|------------------|
| Accuracy % of output signal | ±(2%rdg + 4mV) | ±(2%rdg + 4mV) | ±(0.5%rdg + 5mV) |
| Phase error [°] | not specified | 10 | 5 |

| 100A FS | 0.1 ÷ 1A | 1 ÷ 20A | 20 ÷ 100A |
|-----------------------------|----------------|----------------|----------------|
| Accuracy % of output signal | ±(2%rdg + 3mV) | ±(1%rdg + 2mV) | ±(1%rdg + 2mV) |
| Phase error [°] | 2 | 1 | 1 |

| 1000A FS | 1 ÷ 10A | 10 ÷ 200A | 200 ÷ 1000A |
|-----------------------------|----------------|----------------|----------------|
| Accuracy % of output signal | ±(1%rdg + 1mV) | ±(1%rdg + 1mV) | ±(1%rdg + 1mV) |
| Phase error [°] | 1 | 1 | 0.5 |

Measurements performed with digital instrument, model 1.200.000 digits class 0.2 Cofrac traceable



CAUTION: this symbol indicates that equipment and its accessories shall be subject to a separate collection and correct disposal.